

A NEW VARIETY AND FOUR NEW COMBINATIONS IN
PITTOCAULON AND *TELANTHOPHORA*
(ASTERACEAE: SENECEONEAE) FROM MEXICO

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ABSTRACT

A new variety, *Pittocaulon hintonii* var. *cerrograndensis* (Asteraceae: Senecioneae) is described, and four new combinations are proposed: *Pittocaulon velatum* var. *tzimolensis*, *Telanthophora cobanensis* var. *molinae*, *Telanthophora grandifolia* var. *serraquitchensis*, and *Telanthophora sublaciniatus*.

KEY WORDS: *Senecio*, *Telanthophora*, *Pittocaulon*, Mexico, Central America

RESUMEN

Se describe una variedad nueva, *Pittocaulon hintonii* var. *cerrograndensis*, y se proponen cuatro combinaciones nuevas, *Pittocaulon velatum* var. *tzimolensis*, *Telanthophora cobanensis* var. *molinae*, *Telanthophora grandifolia* var. *serraquitchensis*, y *Telanthophora sublaciniatus*.

Recent studies in certain Mexican and Central American segregates of *Senecio*, s.l. (Clark 1996) have led to the recognition of a new variety and the need for four new nomenclatural combinations. These are recorded here to make the names available for curatorial purposes. More complete explanations will be presented when the revisionary studies are published.

Pittocaulon hintonii H. Rob. & Brettell var. ***cerrograndensis*** B.L. Clark, var. nov. TYPE: MEXICO: JALISCO: Sierra de Manantlán, on very steep E-facing slopes of Cerro Grande on road from Lagunillas to Campo Cuatro & Juluapan, on limestone cliffs above camp 4, dry, deciduous woodland, together with the gigantic creeping stems of *Philodendron warczewiczii*, *Selenicereus* spp., and *Pedilanthus* in full sun, lat. 19° 23–25' N and long. 103° 51' 30"–52' 30" W, elev. 1480 m, 15 Mar 1987, H.H. Iltis et al. 29713 (HOLOTYPE: WIS!; ISOTYPES: IBUG, KSCI, TEX, ZEA).

A var. *hintonii* cujusque capituli flosculis radiatis 14 (nec 7–9) perspicue diversa.

Pittocaulon hintonii var. *cerrograndensis* differs notably from var. *hintonii* in having capitula with 14 ray florets instead of 7–9. It is apparently restricted to the Sierra de Manantlán, a region known for a number of endemics (Vázquez et al. 1995). The nomenclaturally typical var. *hintonii* occurs farther to the north, in the region of Sierra Naranjillo, Michoacán.

Pittocaulon velatum (Greenm.) H. Rob. & Brettell var. ***tzimolensis*** (T.M. Barkley) B.L. Clark, comb. nov. *Senecio praecox* (Cav.) DC. var. *tzimolensis* T.M. Barkley, *Phytologia* 69:142. 1990. TYPE: MEXICO: CHIAPAS: Tzimol, tropical deciduous forest 15 km S of Comitán on road to Tzimol and Tuxtal Gutierrez, elev. 1200 m, 20 Mar 1981, D.E. Breedlove 50266 (HOLOTYPE: CAS!).

Telanthophora cobanensis (J.M. Coult.) H. Rob. & Brettell var. **molinae** (H. Rob. & Brettell) B.L. Clark, comb. et stat. nov. *Telanthophora molinae* H. Rob. & Brettell, *Phytologia* 27:428. 1974. TYPE: GUATEMALA: DEPARTMENT OF SAN MARCOS: near Alta Fraternidad, between San Rafael Pie de la Cuesta and Palo Gordo, W facing slope of the Sierra Madre Mountains, wet mountain forest, elev. 1800–2400 m, 10–18 Dec 1963, *L.O. Williams, A. Molina & T.P. Williams* 26271 (HOLOTYPE: US!; ISOTYPES: FI!, GH!, MO!, NY!)

Telanthophora grandifolia (Less.) H. Rob. & Brettell var. **serraquitchensis** (Greenm.) B.L. Clark, comb. et stat. nov. *Senecio serraquitchensis* Greenm., *Field Mus. Nat. Hist., Bot. Ser.* 2(6):286. 1907. *Telanthophora serraquitchensis* (Greenm.) H. Rob. & Brettell, *Phytologia* 27:428. 1974. TYPE: GUATEMALA: DEPARTMENT OF ALTA VERAPAZ: Serraquitché, elev. 760 m, Apr 1889, *J. Donnell Smith* 1598 (HOLOTYPE: GH!; ISOTYPE: CHI!).

Telanthophora sublaciniatus (Greenm.) B.L. Clark, comb. et stat. nov. *Senecio cobanensis* J.M. Coult. var. *sublaciniatus* Greenm., *Ceiba* 1(2):120. 1950. TYPE: GUATEMALA: DEPARTMENT OF SACATEPEQUEZ: hills of finca Carmona southeast of Antigua, in damp forest, elev. 1590–1800 m, 27 Jan 1939, *P.C. Standley* 63680 (HOLOTYPE: MO!; ISOTYPE: FI!).

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REFERENCES

- CLARK, B.L. 1996. A study of variation in *Senecio* Sect. *Terminales* Greenm. (Compositae; Senecioneae). Ph.D. dissertation, Kansas State University, Manhattan, Kansas.
- VÁZQUEZ G., J.A., R. CUEVAS G., T.S. COCHRANE, H.H. ILLIS, F.J. SANTANA M., and L. GUZMÁN H. 1995. Flora de Manantlán. Sida, Bot. Misc. 13, Botanical Research Institute of Texas, Fort Worth.